

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("20040199103").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/08 10:03
L2	1	("6945952").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/08 10:03
S1	1	("20040199103").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/25 13:44
S2	3336	kwon.in.	US-PGPUB; USPAT	OR	ON	2005/04/25 13:45
S3	7231	(604/46,60,890.1,47,506,93.01, 117,180,131-147,173-174, 181-182,185,187,218,239, 272-274).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/25 13:46
S4	4944	(424/426,449,448,423).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/25 13:48
S5	59	("20010038858" "20010053891" "20020006355" "20020009464" "20020012687" "20020016562" "20020020688" "20020058067" "20020082543" "20020110585" "20020146540" "3964482" "4109655" "4592753" "4798582" "4936835" "5250023" "5262128" "5279544" "5388312" "5388512" "5455611" "5457041" "5458140" "5527288" "5591139" "5843114" "5848991" "5855211" "5855801" "5879326" "5928207" "5983136" "6013050" "6030404" "6050988" "6083196" "6086196" "6091975" "6102896" "6106751" "6132755" "6142939" "6187210" "6219574" "6230051" "6256533" "6312612" "6322808" "6331266" "6331310" "6334856" "6352506" "6352722" "6375776" "6379324" "6406455" "6485453" "6611707").PN.	US-PGPUB; USPAT	OR	ON	2005/04/25 13:48
S6	2	(S1 or S2 or S3 or S4 or S5) and (perforator same solvent)	US-PGPUB; USPAT	OR	ON	2005/04/25 13:50
S7	2	(S1 or S2 or S3 or S4 or S5) and (perforator same dissolv\$4)	US-PGPUB; USPAT	OR	ON	2005/04/25 14:38
S8	17	(S1 or S2 or S3 or S4 or S5) and (perforator)	US-PGPUB; USPAT	OR	ON	2005/04/25 14:43
S9	1	("20040199103").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/25 14:43
S10	3336	kwon.in.	US-PGPUB; USPAT	OR	ON	2005/04/25 14:43

## EAST Search History

S11	7231	(604/46,60,890.1,47,506,93.01, 117,180,131-147,173-174, 181-182,185,187,218,239, 272-274).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/25 14:43
S12	4944	(424/426,449,448,423).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/25 14:43
S13	59	("20010038858" "20010053891" " 20020006355" "20020009464" "2 0020012687" "20020016562" "20 020020688" "20020058067" "200 20082543" "20020110585" "2002 0146540" "3964482" "4109655" " 4592753" "4798582" "4936835" " 5250023" "5262128" "5279544" " 5388312" "5388512" "5455611" " 5457041" "5458140" "5527288" " 5591139" "5843114" "5848991" " 5855211" "5855801" "5879326" " 5928207" "5983136" "6013050" " 6030404" "6050988" "6083196" " 6086196" "6091975" "6102896" " 6106751" "6132755" "6142939" " 6187210" "6219574" "6230051" " 6256533" "6312612" "6322808" " 6331266" "6331310" "6334856" " 6352506" "6352722" "6375776" " 6379324" "6406455" "6485453" " 6611707").PN.	US-PGPUB; USPAT	OR	ON	2005/04/25 14:43
S14	10148	(S9 or S10 or S11 or S12 or S13) and (perforat\$4 or needle or point or lancet or project\$4 or microneedle)	US-PGPUB; USPAT	OR	ON	2005/04/25 14:44
S15	208	(S9 or S10 or S11 or S12 or S13) and ((perforat\$4 or needle or point or lancet or project\$4 or microneedle) with dissolv\$5)	US-PGPUB; USPAT	OR	ON	2005/04/25 14:44
S16	79	(S9 or S10 or S11 or S12 or S13) and (((perforat\$4 or needle or point or lancet or project\$4 or microneedle) with dissolv\$5) same solvent)	US-PGPUB; USPAT	OR	ON	2005/04/27 08:45
S17	802	(604/82-85).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/04/27 08:45
S18	10	S17 and patch	US-PGPUB; USPAT	OR	ON	2005/04/27 10:36
S19	77	patch and perforator and reservoir	US-PGPUB; USPAT	OR	ON	2005/04/27 11:01
S20	3	perforator and (reservoir with solvent)	US-PGPUB; USPAT	OR	ON	2005/04/27 11:03

## EAST Search History

S21	82	patch and ((reservoir with solvent) same dissolv\$4) ("6532386").PN.	US-PGPUB; USPAT US-PGPUB; USPAT	OR OR	ON OFF	2005/04/27 12:10
S22	1					2005/04/27 11:11

## EAST Search History

S23	107	("2857356"   "3315665"   "3964482"   "4039707"   "4071028"   "4141359"   "4231372"   "4301794"   "4340047"   "4406658"   "4532924"   "4655766"   "4655767"   "4674499"   "4685911"   "4722726"   "4731049"   "4744788"   "4747819"   "4752285"   "4767402"   "4790824"   "4805616"   "4898920"   "4925671"   "4927408"   "4979948"   "4994267"   "5013293"   "5019034"   "5036861"   "5042975"   "5098430"   "5125928"   "5135478"   "5147916"   "5156591"   "5162410"   "5182938"   "5213568"   "5224927"   "5232702"   "5250023"   "5252334"   "5269780"   "5279543"   "5279544"   "5282799"   "5304468"   "5320607"   "5362307"   "5383917"   "5399163"   "5438984"   "5441490"   "5451224"   "5453360"   "5514130"   "5527288"   "5533971"   "5540669"   "5540681"   "5542916"   "5545161"   "5547467"   "5563031"   "5563042"   "5571149"   "5573778"   "5582586"   "5591124"   "5614502"   "5622530"   "5636632"   "5653892"   "5667491"   "5693052"   "5735273"   "5738107"   "5749847"   "5771890"   "5780050"   "5785705"   "5789255"   "5827183"   "5843114"   "5843692"   "5853383"   "5857992"   "5865788"   "5869326"   "5893885"   "5897553"   "5906613"   "5993434"   "6014584"   "6050988"   "6055043"   "6068650"   "6083196"   "6096020"   "6117660"   "6120493"   "6148232"   "6181964").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/27 11:11
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## EAST Search History

S24	0	("6532386").URPN.	USPAT	OR	ON	2005/04/27 11:12
S25	15	S23 and (solvent with dissolv\$4)	USPAT	OR	ON	2005/04/27 11:12
S26	2	patch and ((reservoir with solvent) same dissolv\$4)	EPO; JPO; DERWENT	OR	ON	2005/04/27 12:10
S27	15	("0946837"   "1485126"   "1699012"   "2196379"   "2670489"   "3053255"   "3466131"   "3598122"   "R025637").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/27 12:41
S28	2	S27 and (dissolv\$4 or degrad\$4 or biodegrad\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/27 12:42
S29	1	("6743211").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 08:32
S30	1	("6945952").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 09:36
S31	2933	((dissolve or dissolveable or biodegradable or degradable or degrade or degrading or degraded or degrades or dissolves or dissolved or dissolving or biodegrade or biodegrading biodegrades or biodegraded) with (needle or cannula or perforator or microneedle or microperforator or microcannula))	US-PGPUB; USPAT	OR	ON	2005/11/11 15:00
S32	59209	("604").CLAS.	US-PGPUB; USPAT	OR	OFF	2005/11/11 08:41
S33	336	S31 and S32	US-PGPUB; USPAT	OR	ON	2005/11/11 09:18
S34	1	("6193700").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 09:18

## EAST Search History

S35	50	("2893392"   "3034507"   "3086530"   "3123212"   "3136314"   "3221739"   "3221740"   "3556080"   "3596660"   "3675766"   "3918449"   "3964482"   "4109655"   "4159659"   "4222392"   "4771660"   "4798582"   "4921475"   "4969468"   "5054339"   "5138220"   "5250023"   "5279544"   "5279552"   "5335670"   "5364374"   "5383512"   "5401242"   "5457041"   "5527288"   "5582184"   "5591139"   "5611806"   "5611809"   "5618295"   "5658515"   "5697901"   "5801057"   "5843114"   "5879326"   "6050988"   "RE25637").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/11 09:20
S36	1	("6503231").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 09:20
S37	1	("20040199103").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 09:36
S38	0	("2004/0087932").URPN.	USPAT	OR	ON	2005/11/11 10:28
S40	1	("6743211").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 15:36
S41	1	S40 and ((dissolve or dissolveable or biodegradable or degradable or degrade or degrading or degraded or degrades or dissolves or dissolved or dissolving or biodegrade or biodegrading biodegrades or biodegraded) with (needle or cannula or perforator or microneedle or microperforator or microcannula))	US-PGPUB; USPAT	OR	ON	2005/11/11 15:13
S42	1	("6656147").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 15:13
S43	1	S42 and ((dissolve or dissolveable or biodegradable or degradable or degrade or degrading or degraded or degrades or dissolves or dissolved or dissolving or biodegrade or biodegrading biodegrades or biodegraded) with (needle or cannula or perforator or microneedle or microperforator or microcannula))	US-PGPUB; USPAT	OR	ON	2005/11/11 15:17

## EAST Search History

S44	1	("6611707").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 15:17
S45	1	S44 and ((dissolve or dissolveable or biodegradable or degradable or degrade or degrading or degraded or degrades or dissolves or dissolved or dissolving or biodegrade or biodegrading biodegrades or biodegraded) with (needle or cannula or perforator or microneedle or microperforator or microcannula))	US-PGPUB; USPAT	OR	ON	2005/11/11 15:21
S46	1	("6532386").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 15:20
S47	0	S46 and ((dissolve or dissolveable or biodegradable or degradable or degrade or degrading or degraded or degrades or dissolves or dissolved or dissolving or biodegrade or biodegrading biodegrades or biodegraded) with (needle or cannula or perforator or microneedle or microperforator or microcannula))	US-PGPUB; USPAT	OR	ON	2005/11/11 15:21
S48	1	("6743211").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/11 15:36
S49	5	(microneedle or (micro adj needle) or perforator or microperforator or (micro adj perforator)) with (dissolv\$5 or degrad\$5 or biodegrad\$5) with solvent	US-PGPUB; USPAT	OR	ON	2006/04/30 16:19
S50	91	(microneedle or (micro adj needle) or perforator or microperforator or (micro adj perforator)) with (hole or channel or pathway or path) with (skin or corneum)	US-PGPUB; USPAT	OR	ON	2006/04/30 16:23
S51	5	(((microneedle or (micro adj needle) or perforator or microperforator or (micro adj perforator)) with (hole or channel or pathway or path) with (skin or corneum)) same (degrad\$5 or dissolv\$5))	US-PGPUB; USPAT	OR	ON	2006/04/30 16:20

## EAST Search History

S52	18	((microneedle or (micro adj needle) or perforator or microperforator or (micro adj perforator)) with (hole or channel or pathway or path) with (skin or corneum)) and ((microneedle or (micro adj needle) or perforator or microperforator or (micro adj perforator)) with (dissolv\$5 or degrad\$5 or biodegrad\$5))	US-PGPUB; USPAT	OR	ON	2006/04/30 16:43
S53	2653	(microneedle or (micro adj needle) or perforator or microperforator or (micro adj perforator)) and (solvent or solution or fluid or reagent)	US-PGPUB; USPAT	OR	ON	2006/04/30 16:45
S54	174	(microneedle or (micro adj needle) or perforator or microperforator or (micro adj perforator)) same (dissolv\$6 or degrad\$6 or biodegrad\$6) same (solvent or solution or fluid or reagent)	US-PGPUB; USPAT	OR	ON	2006/05/01 08:02
S55	3	("3596660") or ("5695484") or ("6132755").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/01 08:48
S56	3	S55 and (dissolv\$6 or degrad\$6 or biodegrad\$6)	US-PGPUB; USPAT	OR	ON	2006/05/01 08:03
S57	0	S55 and ((dissolv\$6 or degrad\$6 or biodegrad\$6) same (second or minute or hour))	US-PGPUB; USPAT	OR	ON	2006/05/01 08:03
S58	0	S55 and ((dissolv\$6 or degrad\$6 or biodegrad\$6) same (sec or min or hr))	US-PGPUB; USPAT	OR	ON	2006/05/01 08:03
S59	0	S55 and ((dissolv\$6 or degrad\$6 or biodegrad\$6) same (time))	US-PGPUB; USPAT	OR	ON	2006/05/01 08:03
S60	165	((microneedle or (micro adj needle) or perforator or microperforator or (micro adj perforator)) same (dissolv\$6 or degrad\$6 or biodegrad\$6) same (second or minute or hour or sec or min or hr or time))	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 08:05
S61	46	((microneedle or (micro adj needle) or perforator or microperforator or (micro adj perforator)) same ((dissolv\$6 or degrad\$6 or biodegrad\$6) with (second or minute or hour or sec or min or hr or time)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 08:05
S62	1	("6440096").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/01 08:48

## EAST Search History

S63	67	("20010038858" "20010053891" "20020006355" "20020009464" "20020012687" "20020016562" "20020020688" "20020058067" "20020082543" "20020110585" "20020146540" "20050065463" "3596660" "3814097" "3964482" "4109655" "4592753" "4798582" "4936835" "5250023" "5262128" "5279544" "5388312" "5388512" "5455611" "5457041" "5458140" "5527288" "5591139" "5749376" "5843114" "5848991" "5855211" "5855801" "5879326" "5928207" "5983136" "6013050" "6030404" "6050988" "6083196" "6086196" "6091975" "6102896" "6106751" "6132755" "6142939" "6187210" "6219574" "6230051" "6256533" "6312612" "6322808" "6331266" "6331310" "6334856" "6352506" "6352722" "6375776" "6379324" "6406455" "6440096" "6485453" "6532386" "6611707" "6656147" "6743211").PN.	US-PGPUB; USPAT	OR	ON	2006/06/07 12:14
S64	1	("20040199103").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/07 12:14
S65	1	S64 and dissolv\$4	US-PGPUB; USPAT	OR	ON	2006/06/07 12:48
S66	24	S63 and dissolv\$4	US-PGPUB; USPAT	OR	ON	2006/06/07 12:28
S67	1	S64 and solid	US-PGPUB; USPAT	OR	ON	2006/06/07 16:44
S68	1	("6945952").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/07 16:48
S69	2	(("20040049150") or ("20020082543")).PN.	US-PGPUB; USPAT	OR	OFF	2006/06/08 10:02